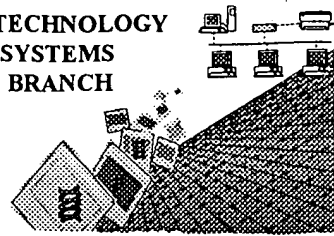


RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



1645
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NOV 04 2002
TECH CENTER 1600/2900
JH

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/711,896
Source: 1600
Date Processed by STIC: 10/25/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



1600

RAW SEQUENCE LISTING

DATE: 10/25/2002

PATENT APPLICATION: US/09/711,896

TIME: 16:15:03

Input Set : A:\sequence listing.TXT

Output Set: N:\CRF4\10252002\I711896.raw

4 <110> APPLICANT: KAYANO, Tohru
 5 TANIGUCHI, Mutsuko
 6 YAMAUCHI, Hiroshi
 7 KURIMOTO, Masashi
 9 <120> TITLE OF INVENTION: Antibody specific to interleukin 18 precursor
 11 <130> FILE REFERENCE: KAYANO=1
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/711,896
 C--> 13 <141> CURRENT FILING DATE: 2000-11-15
 13 <150> PRIOR APPLICATION NUMBER: JP 324,860/99
 14 <151> PRIOR FILING DATE: 1999-11-16
 16 <160> NUMBER OF SEQ ID NOS: 13
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 36
 20 <212> TYPE: PRT
 21 <213> ORGANISM: Homo sapiens
 23 <400> SEQUENCE: 1
 24 Met Ala Ala Glu Pro Val Glu Asp Asn Cys Ile Asn Phe Val Ala Met
 25 1 5 10 15
 27 Lys Phe Ile Asp Asn Thr Leu Tyr Phe Ile Ala Glu Asp Asp Glu Asn
 28 20 25 30
 30 Leu Glu Ser Asp
 31 35
 33 <210> SEQ ID NO: 2
 34 <211> LENGTH: 35
 35 <212> TYPE: PRT
 36 <213> ORGANISM: Mus Musculus Mus musculus
 38 <400> SEQUENCE: 2
 39 Met Ala Ala Met Ser Glu Asp Ser Cys Val Asn Phe Lys Glu Met Met
 40 1 5 10 15
 42 Phe Ile Asp Asn Thr Leu Tyr Phe Ile Pro Glu Glu Asn Gly Asp Leu
 43 20 25 30
 45 Glu Ser Asp
 46 35
 48 <210> SEQ ID NO: 3
 49 <211> LENGTH: 157
 50 <212> TYPE: PRT
 51 <213> ORGANISM: Homo sapiens
 53 <220> FEATURE:
 54 <221> NAME/KEY: UNSURE
 55 <222> LOCATION: (73)
 56 <223> OTHER INFORMATION: Xaa is Ile or Thr
 58 <400> SEQUENCE: 3
 59 Tyr Phe Gly Lys Leu Glu Ser Lys Leu Ser Val Ile Arg Asn Leu Asn

Does Not Comply
 Corrected Diskette Needed

RAW SEQUENCE LISTING

DATE: 10/25/2002

PATENT APPLICATION: US/09/711,896

TIME: 16:15:03

Input Set : A:\sequence listing.TXT

Output Set: N:\CRF4\10252002\I711896.raw

60 1 5 10 15
 62 Asp Gln Val Leu Phe Ile Asp Gln Gly Asn Arg Pro Leu Phe Glu Asp
 63 20 25 30
 65 Met Thr Asp Ser Asp Cys Arg Asp Asn Ala Pro Arg Thr Ile Phe Ile
 66 35 40 45
 68 Ile Ser Met Tyr Lys Asp Ser Gln Pro Arg Gly Met Ala Val Thr Ile
 69 50 55 60
 71 Ser Val Lys Cys Glu Lys Ile Ser Xaa Leu Ser Cys Glu Asn Lys Ile
 72 65 70 75 80
 74 Ile Ser Phe Lys Glu Met Asn Pro Pro Asp Asn Ile Lys Asp Thr Lys
 75 85 90 95
 77 Ser Asp Ile Ile Phe Phe Gln Arg Ser Val Pro Gly His Asp Asn Lys
 78 100 105 110
 80 Met Gln Phe Glu Ser Ser Ser Tyr Glu Gly Tyr Phe Leu Ala Cys Glu
 81 115 120 125
 83 Lys Glu Arg Asp Leu Phe Lys Leu Ile Leu Lys Lys Glu Asp Glu Leu
 84 130 135 140
 86 Gly Asp Arg Ser Ile Met Phe Thr Val Gln Asn Glu Asp
 87 145 150 155
 89 <210> SEQ ID NO: 4
 90 <211> LENGTH: 193
 91 <212> TYPE: PRT
 92 <213> ORGANISM: Homo sapiens
 94 <220> FEATURE:
 95 <221> NAME/KEY: PROPEP
 96 <222> LOCATION: (-36)...(-1)
 98 <220> FEATURE:
 99 <221> NAME/KEY: CHAIN
 100 <222> LOCATION: (1)...(157)
 102 <220> FEATURE:
 103 <221> NAME/KEY: UNSURE
 104 <222> LOCATION: (73)
 105 <223> OTHER INFORMATION: Xaa is Ile or Thr
 107 <400> SEQUENCE: 4
 108 Met Ala Ala Glu Pro Val Glu Asp Asn Cys Ile Asn Phe Val Ala Met
 109 -35 -30 -25
 111 Lys Phe Ile Asp Asn Thr Leu Tyr Phe Ile Ala Glu Asp Asp Glu Asn
 112 -20 -15 -10 -5
 114 Leu Glu Ser Asp Tyr Phe Gly Lys Leu Glu Ser Lys Leu Ser Val Ile
 115 1 5 10
 117 Arg Asn Leu Asn Asp Gln Val Leu Phe Ile Asp Gln Gly Asn Arg Pro
 118 15 20 25
 120 Leu Phe Glu Asp Met Thr Asp Ser Asp Cys Arg Asp Asn Ala Pro Arg
 121 30 35 40
 123 Thr Ile Phe Ile Ile Ser Met Tyr Lys Asp Ser Gln Pro Arg Gly Met
 124 45 50 55 60
 126 Ala Val Thr Ile Ser Val Lys Cys Glu Lys Ile Ser Xaa Leu Ser Cys
 127 65 70 75
 129 Glu Asn Lys Ile Ile Ser Phe Lys Glu Met Asn Pro Pro Asp Asn Ile

RAW SEQUENCE LISTING

DATE: 10/25/2002

PATENT APPLICATION: US/09/711,896

TIME: 16:15:03

Input Set : A:\sequence listing.TXT

Output Set: N:\CRF4\10252002\I711896.raw

```

130      80      85      90
132 Lys Asp Thr Lys Ser Asp Ile Ile Phe Phe Gln Arg Ser Val Pro Gly
133      95      100      105
135 His Asp Asn Lys Met Gln Phe Glu Ser Ser Ser Tyr Glu Gly Tyr Phe
136      110      115      120
138 Leu Ala Cys Glu Lys Glu Arg Asp Leu Phe Lys Leu Ile Leu Lys Lys
139 125      130      135      140
141 Glu Asp Glu Leu Gly Asp Arg Ser Ile Met Phe Thr Val Gln Asn Glu
142      145      150      155

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144 Asp

146 <210> SEQ ID NO: 5

147 <211> LENGTH: 157

148 <212> TYPE: PRT

149 <213> ORGANISM: Mus musculus

151 <220> FEATURE:

152 <221> NAME/KEY: UNSURE

153 <222> LOCATION: (70)

154 <223> OTHER INFORMATION: Xaa is Met or Thr

156 <400> SEQUENCE: 5

157 Asn Phe Gly Arg Leu His Cys Thr Thr Ala Val Ile Arg Asn Ile Asn

158 1 5 10 15

160 Asp Gln Val Leu Phe Val Asp Lys Arg Gln Pro Val Phe Glu Asp Met

161 20 25 30

163 Thr Asp Ile Asp Gln Ser Ala Ser Glu Pro Gln Thr Arg Leu Ile Ile

164 35 40 45

166 Tyr Met Tyr Lys Asp Ser Glu Val Arg Gly Leu Ala Val Thr Leu Ser

167 50 55 60

QC → 169 Val Lys Asp Ser Lys Xaa Ser Thr Leu Ser Cys Lys Asn Lys Ile Ile

170 65 70 75 80

172 Ser Phe Glu Glu Met Asp Pro Pro Glu Asn Ile Asp Asp Ile Gln Ser

173 85 90 95

175 Asp Leu Ile Phe Phe Gln Lys Arg Val Pro Gly His Asn Lys Met Glu

176 100 105 110

178 Phe Glu Ser Ser Leu Tyr Glu Gly His Phe Leu Ala Cys Gln Lys Glu

179 115 120 125

181 Asp Asp Ala Phe Lys Leu Ile Leu Lys Lys Lys Asp Glu Asn Gly Asp

182 130 135 140

184 Lys Ser Val Met Phe Thr Leu Thr Asn Leu His Gln Ser

185 145 150 155

187 <210> SEQ ID NO: 6

188 <211> LENGTH: 192

189 <212> TYPE: PRT

190 <213> ORGANISM: Mus musculus

192 <220> FEATURE:

193 <221> NAME/KEY: PROPEP

194 <222> LOCATION: (-35)...(-1)

196 <220> FEATURE:

197 <221> NAME/KEY: CHAIN

198 <222> LOCATION: (1)...(157)

RAW SEQUENCE LISTING

DATE: 10/25/2002

PATENT APPLICATION: US/09/711,896

TIME: 16:15:03

Input Set : A:\sequence listing.TXT

Output Set: N:\CRF4\10252002\I711896.raw

200 <220> FEATURE:
 201 <221> NAME/KEY: UNSURE
 202 <222> LOCATION: (70)
 203 <223> OTHER INFORMATION: Xaa is Met or Thr
 205 <400> SEQUENCE: 6
 206 Met Ala Ala Met Ser Glu Asp Ser Cys Val Asn Phe Lys Glu Met Met
 207 -35 -30 -25 -20
 209 Phe Ile Asp Asn Thr Leu Tyr Phe Ile Pro Glu Glu Asn Gly Asp Leu
 210 -15 -10 -5
 212 Glu Ser Asp Asn Phe Gly Arg Leu His Cys Thr Thr Ala Val Ile Arg
 213 1 5 10
 215 Asn Ile Asn Asp Gln Val Leu Phe Val Asp Lys Arg Gln Pro Val Phe
 216 15 20 25
 218 Glu Asp Met Thr Asp Ile Asp Gln Ser Ala Ser Glu Pro Gln Thr Arg
 219 30 35 40 45
 221 Leu Ile Ile Tyr Met Tyr Lys Asp Ser Glu Val Arg Gly Leu Ala Val
 222 50 55 60
 224 Thr Leu Ser Val Lys Asp Ser Lys Xaa Ser Thr Leu Ser Cys Lys Asn
 225 65 70 75
 227 Lys Ile Ile Ser Phe Glu Glu Met Asp Pro Pro Glu Asn Ile Asp Asp
 228 80 85 90
 230 Ile Gln Ser Asp Leu Ile Phe Gln Lys Arg Val Pro Gly His Asn
 231 95 100 105
 233 Lys Met Glu Phe Glu Ser Ser Leu Tyr Glu Gly His Phe Leu Ala Cys
 234 110 115 120 125
 236 Gln Lys Glu Asp Asp Ala Phe Lys Leu Ile Leu Lys Lys Lys Asp Glu
 237 130 135 140
 239 Asn Gly Asp Lys Ser Val Met Phe Thr Leu Thr Asn Leu His Gln Ser
 240 145 150 155
 242 <210> SEQ ID NO: 7
 243 <211> LENGTH: 582
 244 <212> TYPE: DNA
 245 <213> ORGANISM: Homo sapiens
 247 <220> FEATURE:
 248 <221> NAME/KEY: CDS
 249 <222> LOCATION: (1)...(582)
 251 <220> FEATURE:
 252 <221> NAME/KEY: mat peptide
 253 <222> LOCATION: (109)...(579)
 255 <220> FEATURE:
 256 <221> NAME/KEY: UNSURE
 257 <222> LOCATION: (325)...(327) (73) Xaa is always denoted by its location
 258 <223> OTHER INFORMATION: Xaa is Ile or Thr in the
 260 <400> SEQUENCE: 7 amino acid
 261 atg gct gct gaa cca gta gaa gac aat tgc atc aac ttt gtg gca atg 48 portion of
 262 Met Ala Ala Glu Pro Val Glu Asp Asn Cys Ile Asn Phe Val Ala Met a sequence
 263 -35 -30 -25 (even in a
 265 aaa ttt att gac aat acg ctt tac ttt ata gct gaa gat gat gaa aac 96 coding
 266 Lys Phe Ile Asp Asn Thr Leu Tyr Phe Ile Ala Glu Asp Asp Glu Asn sequence)

RAW SEQUENCE LISTING

DATE: 10/25/2002

PATENT APPLICATION: US/09/711,896

TIME: 16:15:03

Input Set : A:\sequence listing.TXT

Output Set: N:\CRF4\10252002\I711896.raw

```

267 -20          -15          -10          -5
269 ctg gaa tca gat tac ttt ggc aag ctt gaa tct aaa tta tca gtc ata 144
270 Leu Glu Ser Asp Tyr Phe Gly Lys Leu Glu Ser Lys Leu Ser Val Ile
271          1          5          10
273 aga aat ttg aat gac caa gtt ctc ttc att gac caa gga aat cgg cct 192
274 Arg Asn Leu Asn Asp Gln Val Leu Phe Ile Asp Gln Gly Asn Arg Pro
275          15          20          25
277 cta ttt gaa gat atg act gat tct gac tgt aga gat aat gca ccc cgg 240
278 Leu Phe Glu Asp Met Thr Asp Ser Asp Cys Arg Asp Asn Ala Pro Arg
279          30          35          40
281 acc ata ttt att ata agt atg tat aaa gat agc cag cct aga ggt atg 288
282 Thr Ile Phe Ile Ile Ser Met Tyr Lys Asp Ser Gln Pro Arg Gly Met
283 45          50          55          60
285 gct gta act atc tct gtg aag tgt gag aaa att tca ayt ctc tcc tgt 336
W--> 286 Ala Val Thr Ile Ser Val Lys Cys Glu Lys Ile Ser Xaa Leu Ser Cys
287          65          70          75
289 gag aac aaa att att tcc ttt aag gaa atg aat cct cct gat aac atc 384
290 Glu Asn Lys Ile Ile Ser Phe Lys Glu Met Asn Pro Pro Asp Asn Ile
291          80          85          90
293 aag gat aca aaa agt gac atc ata ttc ttt cag aga agt gtc cca gga 432
294 Lys Asp Thr Lys Ser Asp Ile Ile Phe Phe Gln Arg Ser Val Pro Gly
295          95          100          105
297 cat gat aat aag atg caa ttt gaa tct tca tca tac gaa gga tac ttt 480
298 His Asp Asn Lys Met Gln Phe Glu Ser Ser Ser Tyr Glu Gly Tyr Phe
299          110          115          120
301 cta gct tgt gaa aaa gag aga gac ctt ttt aaa ctc att ttg aaa aaa 528
302 Leu Ala Cys Glu Lys Glu Arg Asp Leu Phe Lys Leu Ile Leu Lys Lys
303 125          130          135          140
305 gag gat gaa ttg ggg gat aga tct ata atg ttc act gtt caa aac gaa 576
306 Glu Asp Glu Leu Gly Asp Arg Ser Ile Met Phe Thr Val Gln Asn Glu
307          145          150          155
309 gac tag          582
310 Asp
312 <210> SEQ ID NO: 8
313 <211> LENGTH: 27
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Designed oligonucleotide as a sense primer for PCR to
amplify a
319     DNA fragment containing a coding sequence for a part of propeptide
320     sequence of human IL-18 precursor
322 <400> SEQUENCE: 8
323 agagatctgc tgctgaacca gtagaag          27
325 <210> SEQ ID NO: 9
326 <211> LENGTH: 45
327 <212> TYPE: DNA
328 <213> ORGANISM: Artificial sequence
330 <220> FEATURE:
331 <223> OTHER INFORMATION: Designed oligonucleotide as an antisense primer for PCR to
amplify

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/711,896

DATE: 10/25/2002
TIME: 16:15:04

Input Set : A:\sequence listing.TXT
Output Set: N:\CRF4\10252002\I711896.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 73
Seq#:4; Xaa Pos. 73
Seq#:5; Xaa Pos. 70
Seq#:6; Xaa Pos. 70
Seq#:7; Xaa Pos. 73
Seq#:13; Xaa Pos. 70